

Report of Analysis

Submission: 2004-005243-NYHB
 Customer: VITOL
 Terminal: SPRAGUE RENSSELEAR, NY
 Vessel: PENN 400
 Reference: REF # V-04-13192
 Purchase Order:
 Date Received: 10-Dec-04
 Date Analyzed: 10-Dec-04
 Date Reported: 10-Dec-04

Lab Reference : 2004-005243-NYHB-015			
Sample Designated As : Shore Tank 6 Equal UML Composite NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	15.1	deg API
D93 method B	Corrected Flash Point	159	deg F
D445 at 122 deg F	Kinematic Viscosity @ 122°F	255.6	cSt
D2161	Saybolt Furol Viscosity @ 122 °F	120.8	SFS
D97	Pour Point	0	deg C
D97	Pour Point	32	deg F
D4294	Sulfur	0.430	Wt %
D1796	Sediment and Water	0.2	Vol %
D240	Gross Heat of Combustion	18825	BTU / lb
D240	Gross Heat of Combustion	151315	BTU / gal
D3279	Asphaltene / n-Heptane Insolubles	2.08	Wt %
D4530	Micro Carbon Residue	8.4	Wt %
D473	Sediment by Extraction	0.05	Wt %
D482 @ 775 deg C	Ash @ 775 deg C	0.079	Wt %
D5762	Nitrogen	0.31	Wt %
D95	Water	0.2	Vol %
D5708 Method A	Sodium	6.23	mg / kg
D5708 Method A	Vanadium	21.9	mg / kg

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